



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/748,128  
Source: 1 FWO -  
Date Processed by STIC: 1/13/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IEWO

## RAW SEQUENCE LISTING

DATE: 01/13/2004

PATENT APPLICATION: US/10/748,128

TIME: 10:09:55

Input Set : A:\66821-058.TXT

Output Set: N:\CRF4\01092004\J748128.raw

4 <110> APPLICANT: Reed, John C.  
 5 Houghten, Richard A.  
 6 Nefzi, Adel  
 7 Ostresh, John M.  
 8 Pinilla, Clemencia  
 9 Welsh, Kate  
 11 <120> TITLE OF INVENTION: Methods and Compositions for  
 12 Derepression of IAP-Inhibited Caspase  
 15 <130> FILE REFERENCE: 66821-058  
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/748,128  
 C--> 17 <141> CURRENT FILING DATE: 2003-12-24  
 17 <150> PRIOR APPLICATION NUMBER: US 60/331,957  
 18 <151> PRIOR FILING DATE: 2001-11-21  
 20 <150> PRIOR APPLICATION NUMBER: US 10/302,811  
 21 <151> PRIOR FILING DATE: 2002-11-21  
 23 <160> NUMBER OF SEQ ID NOS: 16  
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 5  
 29 <212> TYPE: PRT  
 30 <213> ORGANISM: Artificial Sequence  
 32 <220> FEATURE:  
 33 <223> OTHER INFORMATION: synthetic construct  
 W--> 35 <221> NAME/KEY: VARIANT  
 36 <222> LOCATION: 4  
 37 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
 W--> 39 <400> 1  
 W--> 40 Gln Ala Cys Xaa Gly  
 41 1 5  
 44 <210> SEQ ID NO: 2  
 45 <211> LENGTH: 4  
 46 <212> TYPE: PRT  
 47 <213> ORGANISM: Artificial Sequence  
 49 <220> FEATURE:  
 50 <223> OTHER INFORMATION: synthetic construct  
 52 <400> SEQUENCE: 2  
 53 Asp Glu Val Asp  
 54 1  
 57 <210> SEQ ID NO: 3  
 58 <211> LENGTH: 4  
 59 <212> TYPE: PRT  
 60 <213> ORGANISM: Artificial Sequence  
 62 <220> FEATURE:

Does Not Comply  
Corrected Diskette Needed

P.S

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Input Set : A:\66821-058.TXT

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63 <223> OTHER INFORMATION: synthetic construct  
65 <400> SEQUENCE: 3  
66 Tyr Val Ala Asp  
67 1  
70 <210> SEQ ID NO: 4  
71 <211> LENGTH: 4  
72 <212> TYPE: PRT  
73 <213> ORGANISM: Artificial Sequence  
75 <220> FEATURE:  
76 <223> OTHER INFORMATION: synthetic construct  
78 <400> SEQUENCE: 4  
79 Ala Val Pro Ile  
80 1  
83 <210> SEQ ID NO: 5  
84 <211> LENGTH: 7  
85 <212> TYPE: PRT  
86 <213> ORGANISM: Artificial Sequence  
88 <220> FEATURE:  
89 <223> OTHER INFORMATION: synthetic construct  
W--> 91 <221> NAME/KEY: AMIDATION  
92 <222> LOCATION: 7  
93 <223> OTHER INFORMATION: at the C-terminus  
W--> 95 <221> MOD\_RES  
96 <222> LOCATION: 1  
97 <223> OTHER INFORMATION: hydrogenated at the N-terminus  
W--> 99 <400> 5  
100 Ala Val Pro Ile Ala Gln Lys  
101 1 5  
104 <210> SEQ ID NO: 6  
105 <211> LENGTH: 4  
106 <212> TYPE: PRT  
107 <213> ORGANISM: Artificial Sequence  
109 <220> FEATURE:  
110 <223> OTHER INFORMATION: synthetic peptide  
112 <400> SEQUENCE: 6  
113 Ala Val Pro Ser  
114 1  
117 <210> SEQ ID NO: 7  
118 <211> LENGTH: 6  
119 <212> TYPE: PRT  
120 <213> ORGANISM: Artificial Sequence  
122 <220> FEATURE:  
123 <223> OTHER INFORMATION: synthetic peptide  
W--> 125 <221> NAME/KEY: VARIANT  
126 <222> LOCATION: (1)...(2)  
127 <223> OTHER INFORMATION: Xaa = any amino acid  
W--> 129 <400> 7  
W--> 130 Xaa Xaa Ala Ala Trp Trp  
131 1 5

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Input Set : A:\66821-058.TXT

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134 <210> SEQ ID NO: 8  
135 <211> LENGTH: 6  
136 <212> TYPE: PRT  
137 <213> ORGANISM: Artificial Sequence  
139 <220> FEATURE:  
140 <223> OTHER INFORMATION: synthetic peptide  
W--> 142 <221> NAME/KEY: VARIANT  
143 <222> LOCATION: (1)...(2)  
144 <223> OTHER INFORMATION: Xaa = any amino acid  
W--> 146 <400> 8  
W--> 147 Xaa Xaa Gly Ala Trp Trp  
148 1 5  
151 <210> SEQ ID NO: 9  
152 <211> LENGTH: 6  
153 <212> TYPE: PRT  
154 <213> ORGANISM: Artificial Sequence  
156 <220> FEATURE:  
157 <223> OTHER INFORMATION: synthetic peptide  
W--> 159 <221> NAME/KEY: VARIANT  
160 <222> LOCATION: (1)...(2)  
161 <223> OTHER INFORMATION: Xaa = any amino acid  
W--> 163 <400> 9  
W--> 164 Xaa Xaa Arg Ala Trp Trp  
165 1 5  
168 <210> SEQ ID NO: 10  
169 <211> LENGTH: 6  
170 <212> TYPE: PRT  
171 <213> ORGANISM: Artificial Sequence  
173 <220> FEATURE:  
174 <223> OTHER INFORMATION: synthetic peptide  
W--> 176 <221> NAME/KEY: VARIANT  
177 <222> LOCATION: (1)...(2)  
178 <223> OTHER INFORMATION: Xaa = any amino acid  
W--> 180 <400> 10  
W--> 181 Xaa Xaa Cys Lys Trp Trp  
182 1 5  
185 <210> SEQ ID NO: 11  
186 <211> LENGTH: 6  
187 <212> TYPE: PRT  
188 <213> ORGANISM: Artificial Sequence  
190 <220> FEATURE:  
191 <223> OTHER INFORMATION: synthetic peptide  
W--> 193 <221> NAME/KEY: VARIANT  
194 <222> LOCATION: 1, 2  
195 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 197 <400> 11  
W--> 198 Xaa Xaa Phe Trp Trp Trp  
199 1 5  
202 <210> SEQ ID NO: 12

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/748,128

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Input Set : A:\66821-058.TXT

Output Set: N:\CRF4\01092004\J748128.raw

203 <211> LENGTH: 6  
204 <212> TYPE: PRT  
205 <213> ORGANISM: Artificial Sequence  
207 <220> FEATURE:  
208 <223> OTHER INFORMATION: synthetic peptide  
W--> 210 <221> NAME/KEY: VARIANT  
211 <222> LOCATION: 1, 2  
212 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 214 <400> 12  
W--> 215 Xaa Xaa Leu Trp Trp Trp  
216 1 5  
219 <210> SEQ ID NO: 13  
220 <211> LENGTH: 6  
221 <212> TYPE: PRT  
222 <213> ORGANISM: Artificial Sequence  
224 <220> FEATURE:  
225 <223> OTHER INFORMATION: synthetic peptide  
W--> 227 <221> NAME/KEY: VARIANT  
228 <222> LOCATION: 1, 2  
229 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 231 <400> 13  
W--> 232 Xaa Xaa Trp Leu Trp Trp  
233 1 5  
236 <210> SEQ ID NO: 14  
237 <211> LENGTH: 6  
238 <212> TYPE: PRT  
239 <213> ORGANISM: Artificial Sequence  
241 <220> FEATURE:  
242 <223> OTHER INFORMATION: synthetic peptide  
W--> 244 <221> NAME/KEY: VARIANT  
245 <222> LOCATION: 1, 2  
246 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 248 <400> 14  
W--> 249 Xaa Xaa Trp Trp Trp Trp  
250 1 5  
253 <210> SEQ ID NO: 15  
254 <211> LENGTH: 6  
255 <212> TYPE: PRT  
256 <213> ORGANISM: Artificial Sequence  
258 <220> FEATURE:  
259 <223> OTHER INFORMATION: synthetic peptide  
W--> 261 <221> NAME/KEY: VARIANT  
262 <222> LOCATION: (1)...(2)  
263 <223> OTHER INFORMATION: Xaa=any amino acid  
W--> 265 <400> 15  
W--> 266 Xaa Xaa Leu Lys Trp Trp  
267 1 5  
270 <210> SEQ ID NO: 16  
271 <211> LENGTH: 68

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/748,128

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TIME: 10:09:55

Input Set : A:\66821-058.TXT

Output Set: N:\CRF4\01092004\J748128.raw

272 <212> TYPE: PRT  
 273 <213> ORGANISM: Artificial Sequence  
 275 <220> FEATURE:  
 276 <223> OTHER INFORMATION: consensus sequence  
 W--> 278 <221> NAME/KEY: VARIANT  
 279 <222> LOCATION: 1,3,6,8,10,13,14,16,18-21,24,30,33,35,37,40,42-44,46,47, (see below)  
 280 49-51,53-57,59,61,62,64,66  
 281 <223> OTHER INFORMATION: Xaa=Any amino acid  
 W--> 283 <221> VARIANT  
 284 <222> LOCATION: 15  
 285 <223> OTHER INFORMATION: Xaa=any amino acid that may or may not be present  
 W--> 287 <221> VARIANT  
 288 <222> LOCATION: 5,17,28,29,45,68  
 289 <223> OTHER INFORMATION: Xaa=a hydrophobic amino acid  
 W--> 291 <221> VARIANT  
 292 <222> LOCATION: 7  
 293 <223> OTHER INFORMATION: Xaa=serine or threonine  
 W--> 295 <221> VARIANT  
 296 <222> LOCATION: 8,67  
 297 <223> OTHER INFORMATION: Xaa=phenylalanine or tyrosine  
 W--> 299 <221> VARIANT  
 300 <222> LOCATION: (12)...(12)  
 301 <223> OTHER INFORMATION: Xaa=proline that may or may not be present  
 W--> 303 <221> VARIANT  
 304 <222> LOCATION: (52)...(52)  
 305 <223> OTHER INFORMATION: Xaa=aspartic or glutamic acid  
 W--> 307 <221> VARIANT  
 308 <222> LOCATION: (66)...(66)  
 309 <223> OTHER INFORMATION: Xaa=a basic amino acid  
 W--> 311 <400> 16  
 W--> 312 Xaa Xaa Xaa Arg Xaa Xaa Xaa Xaa Xaa Xaa Trp Xaa Xaa Xaa Xaa Xaa  
 313 1 5 10 15  
 314 Xaa Xaa Xaa Xaa Xaa Leu Ala Xaa Ala Gly Phe Xaa Xaa Xaa Gly Xaa  
 315 20 25 30  
 316 Xaa Asp Xaa Val Xaa Cys Phe Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Trp  
 317 35 40 45  
 318 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa His Xaa Xaa Xaa Pro Xaa  
 319 50 55 60  
 320 Cys Xaa Xaa Xaa  
 321 65

*what about Xaa's at locations  
 32 and 60?  
 (see below)*

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/748,128

DATE: 01/13/2004  
TIME: 10:09:56

Input Set : A:\66821-058.TXT

Output Set: N:\CRF4\01092004\J748128.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 4

Seq#:7; Xaa Pos. 1,2

Seq#:8; Xaa Pos. 1,2

Seq#:9; Xaa Pos. 1,2

Seq#:10; Xaa Pos. 1,2

Seq#:11; Xaa Pos. 1,2

Seq#:12; Xaa Pos. 1,2

Seq#:13; Xaa Pos. 1,2

Seq#:14; Xaa Pos. 1,2

Seq#:15; Xaa Pos. 1,2

Seq#:16; Xaa Pos. 1,2,3,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21,24,28,29

Seq#:16; Xaa Pos. 30,32,33,35,37,40,42,43,44,45,46,47,49,50,51,52,53,54,55

Seq#:16; Xaa Pos. 56,57,59,60,61,62,64,66,67,68

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/748,128

DATE: 01/13/2004

TIME: 10:09:56

Input Set : A:\66821-058.TXT

Output Set: N:\CRE4\01092004\J748128.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No  
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:35 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:39 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:91 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:95 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5  
L:99 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5  
L:125 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:129 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:142 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:146 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8  
L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:159 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:163 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:176 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:180 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:193 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:197 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:210 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:214 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12  
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:227 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:231 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13  
L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:244 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:248 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14  
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:261 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:265 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15  
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:278 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:283 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16  
L:287 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16  
L:291 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16  
L:295 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16  
L:299 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16  
L:303 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16  
L:307 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16  
L:311 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16  
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
M:341 Repeated in SeqNo=16